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25944

7590

06/02/2010

OLIFF & BERRIDGE, PLC
P.O. BOX 320850
ALEXANDRIA, VA 22320-4850

EXAMINER

DINH, KHANH Q

ART UNIT

PAPER NUMBER

2451

DATE MAILED: 06/02/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,876	11/18/2003	Hidetoshi Matsumoto	116531	3120

TITLE OF INVENTION: COMMUNICATION SYSTEM HAVING COMMON E-MAIL ADDRESS FOR PLURALITY OF DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/02/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,876	11/18/2003	Hidetoshi Matsumoto	116531	3120

TITLE OF INVENTION: COMMUNICATION SYSTEM HAVING COMMON E-MAIL ADDRESS FOR PLURALITY OF DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/02/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
DINH, KHANH Q	2451	709-224000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB-122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB-47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER				
DINH, KHANH Q				
ART UNIT			PAPER NUMBER	

2451

DATE MAILED: 06/02/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 799 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 799 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability**Application No.**

10/714,876

Examiner

Khanh Q. Dinh

Applicant(s)

MATSUMOTO, HIDETO

Art Unit

2451

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/30/10.
2. ☒ The allowed claim(s) is/are 1,7-9,11,13,15,16,18,20,21 and 23-31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Khanh Q Dinh/
Primary Examiner, Art Unit 2451

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott M. Shulte (the Undersigned Attorney, Reg. No.44,325) on 5/18/2010.

The application has been amended as follows:

IN THE CLAIMS:

Please **amend** claims 27 and 28 as follows:

1.(Previously Presented) An electronic device comprising:
a first determination system that, upon receiving an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, determines whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the predetermined common e-mail address being commonly assigned to and shared by a plurality of the electronic devices;
a second determination system that determines whether the e-mail message addressed to the predetermined common e-mail address is directed to the electronic device to which said second determination system belongs in accordance with the contents of the e-mail message addressed to the predetermined common e-mail address; and
a processing system that executes a procedure corresponding to the e-mail message when said second determination system determines that the e-mail message is directed to the electronic device to which said second determination

system belongs,

wherein the plurality of electronic devices are part of a communication system

having the mail server and the plurality of electronic devices connected with a network,

wherein the e-mail message has attached data to be processed, and [wherein processing of the attached data including printing of the attached data,

wherein each of said plurality of electronic devices has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and wherein said second determination system determines whether the e-mail message is directed to the electronic device to which said second determination system belongs based on whether the attached data can be processed by said electronic device.

2-6. (Canceled)

7. (Previously Presented) The electronic device according to claim 1, wherein the attached data is TIFF-F format data.

8. (Original) The electronic device according to claim 1, further comprising an e-mail deleting system that deletes the e-mail message corresponding to the procedure executed by the processing system from the mail server.

9. (Original) The electronic device according to claim 1, further comprising an e-mail deleting system that deletes the e-mail message corresponding to the procedure executed by the processing system from the mail server predetermine period after the procedure has been executed.

10. (Canceled)

11. (Previously Presented) An electronic device comprising:

a first determination system that, upon receiving an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, determines whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the predetermined common e-mail address being commonly assigned to and shared by a plurality of the electronic devices;

a second determination system that determines whether the e-mail message addressed to the predetermined common e-mail address is directed to the electronic device to which said second determination system belongs in accordance with the contents of the e-mail message addressed to the predetermined common e-mail address; and

a processing system that executes a procedure corresponding to the e-mail message when said second determination system determines that the e-mail message is directed to the electronic device to which said second determination system belongs,

wherein the plurality of electronic devices are part of a communication system having the mail server and the plurality of electronic devices connected with a network,

wherein the procedure executed by said processing system includes creation and transmission of a replying e-mail message replying to the e-mail message,

wherein the e-mail message contains a request for a status of the electronic device, and

wherein the replying e-mail message contains a status of the electronic device to which the processing system belongs,

wherein the e-mail message has attached data to be processed, wherein each of said plurality of electronic devices has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message; and

wherein said second determination system determines whether the e-mail message is directed to the electronic device to which said second determination system belongs based on whether the attached data can be processed by said electronic device.

12. (Canceled)

13. (Previously Presented) An electronic device comprising:

a first determination system that, upon receiving an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, determines whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the predetermined common e-mail address being commonly assigned to and shared by the electronic device and at least one terminal device;

a second determination system that determines whether the e-mail message addressed to the predetermined common e-mail address is directed to one of the electronic device and said at least one terminal device in accordance with the contents of the e-mail message addressed to the predetermined common e-mail address; and

a processing system that executes a procedure corresponding to the e-mail message when said second determination system determines that the e-mail message is directed to one of said electronic device and said at least one terminal

device,

wherein the electronic device is part of a communication system having the mail server, the electronic device and the at least one terminal device, and the at least one terminal device is managed by said electronic device, wherein the procedure executed by said processing system includes creation and transmission of a replying e-mail message replying to the e-mail message, wherein the e-mail message contains a request for the status of a designated device, and wherein a replying e-mail message contains the status of the designated device, wherein the e-mail message has attached data to be processed, wherein each of said electronic device and said at least one terminal device has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and wherein said second determination system determines whether the e-mail message is directed to the electronic device or said at least one terminal device based on whether the attached data can be processed by said electronic device or the at least one terminal device.

14. (Canceled)

15. (Original) The communication system according to claim 13, further comprising an e-mail deleting system that deletes the e-mail message corresponding to the procedure executed by the processing system from said mail server.

16. (Original) The communication system according to claim 13, further comprising an e-mail deleting system that deletes the e-mail message corresponding to the procedure executed by the processing system from said mail server predetermine period after the procedure has been executed.

17. (Canceled)

18. (Previously Presented) The communication system according to claim 13, wherein said electronic device obtains status information of said at least one terminal device in accordance with a predetermined communication protocol when the request is for the status of said at least one terminal device; and wherein the replying e-mail message contains a status of one of the electronic device and said at least one terminal device.

19. (Canceled)

20. (Original) The communication system according to claim 18, wherein the status includes at least one of a

remaining amount of toner and a remaining amount of sheet.

21. (Previously Presented) An electronic device comprising:

a first determination system that, upon receiving an e-mail message that

includes e-mail addresses and contents other than the e-mail addresses, determines whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the

predetermined common e-mail address being commonly assigned to and shared by a plurality of electronic devices;

a second determination system that determines whether the e-mail message addressed to the predetermined common e-mail address is directed to said electronic device in accordance with the contents of the e-mail message addressed to the predetermined common e-mail address; and

a processing system that executes a procedure corresponding to the e-mail message when said second determination system determines that the e-mail message is directed to said electronic device,

wherein the electronic device is part of a communication system having a mail server and a plurality of electronic devices that are connected with a network, and the electronic device is one of the plurality of electronic devices,

wherein the e-mail message has attached data to be processed, and wherein processing of the attached data including printing of the attached data,

wherein each of said plurality of electronic devices has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and

wherein said second determination system determines whether the e-mail message is directed to the electronic device based on whether the attached data can be processed by said electronic device.

22. (Canceled)

23. (Previously Presented) A computer for a communication system, said computer comprising:

an e-mail creating system that creates an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, the e-mail message being addressed to a common e-mail address which is commonly used by a plurality of electronic devices, the predetermined common e-mail address being commonly assigned to and shared by the plurality of electronic devices;

an electronic device selecting system that enables an operator of said computer to select at least one of said plurality

of electronic devices, information indicative of the selected one of said plurality of electronic devices being inserted in the e-mail message; and

an information designating system that enables the operator to designate information to be obtained from the selected at least one of the plurality of electronic devices, information indicative of the designated information being inserted in the e-mail message,

the communication system being configured such that only the designated at least one of the plurality of electronic device processes the contents of the e-mail message, the e-mail message being transmitted to a mail server, wherein the mail server and the plurality of electronic devices are connected with a network and said computer is connected with the mail server,

wherein the e-mail message has attached data to be processed, wherein each of said plurality of electronic devices has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and

wherein the e-mail message is determined to be directed to the one of the plurality of electronic devices based on whether the attached data can be processed by the one of the plurality of electronic devices.

24. (Original) The computer according to claim 23, wherein the communication system is configured such that, when the mail server receives the e-mail message including the information indicative of the designating at least one of the plurality of electronic devices and information indicative of the designated information, a replying e-mail message containing a status in terms of the designated information of the designated at least one of the plurality of electronic devices being transmitted to said computer.

25. (Original) The computer according to claim 24, further comprising a display, a visual interface being provided so as to display a window on said display, the window allowing the operator to select at least one of the plurality of electronic devices sharing the common e-mail address, the visual interface inserting information indicative of the selected at least one of the plurality of electronic devices in the e-mail message.

26. (Original) The computer according to claim 25, where the window displayed on said display allows the operator to select one or more pieces of information to be obtained from the designated one of the plurality of electronic devices, the visual interface inserting information indicative of the one or more pieces of information to be obtained from the designated at least one of the plurality of electronic devices in the e-mail message.

27. (Currently Amended) A computer readable non-transitory storage medium having embedded thereon a computer program product, the computer program product comprising the instructions of:

determining, upon receiving an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the predetermined common e-mail address being commonly assigned to and shared by a plurality of electronic devices;

determining whether the e-mail message addressed to the predetermined common e-mail address is directed to the electronic device of the plurality of electronic devices in accordance with the contents of the e-mail message addressed to the predetermined common e-mail address; and

executing a procedure corresponding to the e-mail message when it is determined that the e-mail message is directed to the electronic device,

wherein the computer program product controls a computer to function as the electronic device which is part of a communication system having a mail server and the plurality of electronic devices which are connected with a network, and the electronic device is one of the plurality of electronic devices,

wherein the e-mail message has attached data to be processed, wherein each of said plurality of electronic devices has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and

wherein the e-mail message is determined to be directed to the electronic device based on whether the attached data can be processed by said electronic device.

28. (Currently Amended) A computer readable non-transitory storage medium having embedded thereon a computer program product, the computer program product comprising the instructions of:

determining, upon receiving an e-mail message that includes e-mail addresses and contents other than the e-mail addresses, whether an e-mail address of the e-mail message transmitted to a mail server coincides with a predetermined common e-mail address, the predetermined common e-mail address being commonly assigned to and shared by an electronic device and at least one terminal device;

determining whether the e-mail message addressed to the predetermined common e-mail address is directed to one of the electronic device and the at least one terminal device in accordance with the contents of the e-mail message

addressed to the predetermined common e-mail address; and
executing a procedure corresponding to the e-mail message when it is determined that the e-mail message is directed to one of the electronic device and the at least one terminal device,
wherein the computer program controls a computer to function as the electronic device for a communication system having the mail server, the electronic device and the at least one terminal device, and the at least one terminal device is managed by the electronic device,
wherein the e-mail message has attached data to be processed, and [wherein processing of the attached data including printing of the attached data,
wherein each of said electronic device and said at least one terminal device has a data type obtaining system that obtains a data type of the attached data from the contents of the e-mail message, and
wherein the e-mail message is determined to be directed to the electronic device or said at least one terminal device based on whether the attached data can be processed by said electronic device or the at least one terminal device.

29. (Previously Presented) The electronic device according to claim 1, wherein the second determination system determines whether or not the e-mail message should be directed only to the device and not to any other devices.

30. (Previously Presented) The electronic device according to claim 1, wherein, when said second determination system determines that the e-mail message is directed to the electronic device to which said second determination system belongs, the processing system directs the e-mail message only to the device, and not to any other devices.

31. (Previously Presented) The electronic device according to claim 1, wherein, when the second determination system determines that the e-mail message is not directed to the electronic device, the processing system will not forward the e-mail message to the electronic device.

Allowable Subject Matter

2. Claims 1, 7-9, 11, 13, 15, 16, 18, 20, 21, 23-31 are allowed.

Reason for allowance

3. This communication warrants no examiner's reason for allowance, as applicant's reply makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104(c). In this case, the substance of applicant's remarks filed on 03/30/2020 with respect to the added claim limitation point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Dinh whose telephone number is (571) 272-3936. The examiner can normally be reached on Monday through Friday from 8:00 A.m. to 5:00 P.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, FOLLANSBEE JOHN, can be reached on (571) 272-3964. The fax phone number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/714,876
Art Unit: 2451

Page 11

/Khanh Dinh/

Primary Examiner, Art Unit 2451

